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Reg No	Name:	
	APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY THIRD SEMESTER MCA DEGREE EXAMINATION, DECEMBER 2017	
	Course Code: RLMCA305	
	Course Name: CRYPTOGRAPHY AND CYBER SECURITY	
Max. N	Marks: 60 Duration:	3 Hours
	PART A	
	Answer all questions, each carries3 marks.	Marks
1	Explain about steganography.	(3)
2 3	Distinguish between groups and rings.	(3)
	Explain the concept of public key cryptography.	(3)
4	What is Cipher Feed Back mode (CFB)?	(3)
5	Write short notes on birthday attacks.	(3)
6	Define the term Goofy coin.	(3)
/ 8	Explain about S/MIME.	(3)
0	Define the term pretty good privacy. PART B	(3)
	Answer six questions, one full question from each module and carries6 marks.	
	Module I	
9	Explain network security model with the help of a neat diagram.	(6)
	OR	(*)
10	Explain about play fair cipher and Hill cipher.	(6)
	Module II	
11	Explain Chinese remainder theorem with example.	(6)
	OR	
12	State and prove Fermat's theorem.	(6)
	Module III	
13	Explain Diffie Hellman key exchange algorithm.	(6)
	OR	
14	Explain RSA algorithm with example.	(6)
	Module IV	
15	Explain about Message Authentication Code algorithm.	(6)
1.6	OR	
16	Explain about digital signature scheme.	(6)
17	Module V What is hitagin govint? Evaluin annligations of Ditagin govints	(\mathbf{f})
17	What is bitcoin script? Explain applications of Bitcoin scripts. OR	(6)
18	What are bitcoin exchanges? Explain about online wallets?	(6)
10	Module VI	(0)
19	Explain about IP security.	(6)
.,	OR	
20	Discuss web security in detail.	(6)
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